

Application No. 10/805,619
Amendment filed with RCE

Customer No. 01933

Listing of Claims:

1. (Currently Amended) An air conditioning apparatus for a hydraulic shovel, which is placed in a cab of the hydraulic shovel, said apparatus comprising:

5 an air-conditioning unit which cools air, and which is placed as a whole at a front portion of a right side in said cab, and which is provided to be fitted into an opening that penetrates through a right side wall of said cab such that the air-conditioning unit constitutes a part of a surface of said right side wall.

Claim 2 (Canceled).

3. (Currently Amended) The air conditioning apparatus for the hydraulic shovel according to ~~Claim 2~~ Claim 1, wherein said air-conditioning unit is mounted to said right side wall to be removable from both inside and outside of said cab.

4. (Currently Amended) The air conditioning apparatus for the hydraulic shovel according to ~~Claim 2~~ Claim 1, wherein said air-conditioning unit comprises pipe connecting portions provided at a region thereof exposed to outside of said cab.

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5. (Currently Amended) The air conditioning apparatus for the hydraulic shovel according to ~~Claim 2~~ Claim 1, wherein said air-conditioning unit has an inclined shape such that an upper portion thereof at a front side of the hydraulic shovel is inclined downward toward the front side.

6. (Currently Amended) The air conditioning apparatus for the hydraulic shovel according to ~~Claim 2~~ Claim 1, further comprising:

an air-conditioning cover;

wherein said air-conditioning cover has an inclined shape such that an upper portion thereof at a front side of the hydraulic shovel is inclined downward toward the front side.

7. (Currently Amended) The air conditioning apparatus for the hydraulic shovel according to ~~Claim 2~~ Claim 1, further comprising an internal cover, which is put on said air-conditioning unit, and which comprises ducts for distributing the air blown from said air-conditioning unit.

8. (Currently Amended) The air conditioning apparatus for the hydraulic shovel according to ~~Claim 2~~ Claim 1, further comprising a vent hole through which outside air is introduced into said air-conditioning unit, and which is provided at an

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- 5 upper region of said right side wall above an external cover for covering tanks of the hydraulic shovel including at least a working fluid tank.

Claim 9 (Canceled).

10. (Currently Amended) An air conditioning apparatus for a hydraulic shovel, which is placed in a cab of the hydraulic shovel, said apparatus comprising:

- 5 an air-conditioning unit which is mounted to a front portion of a right side wall of said cab, and which is provided to be fitted into an opening that penetrates through a right side wall of said cab such that the air-conditioning unit constitutes so as to constitute a part of a surface of said right side wall surface.

11. (Previously Presented) The air conditioning apparatus for the hydraulic shovel according to Claim 10, wherein said air-conditioning unit is mounted to said right side wall to be removable from both inside and outside of said cab.

12. (Previously Presented) The air conditioning apparatus for the hydraulic shovel according to Claim 10, wherein said air-

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conditioning unit comprises pipe connecting portions provided at a region thereof exposed to outside of said cab.

13. (Previously Presented) The air conditioning apparatus for the hydraulic shovel according to Claim 10, wherein said air-conditioning unit has an inclined shape such that an upper portion thereof at a front side of the hydraulic shovel is inclined downward toward the front side.

14. (Previously Presented) The air conditioning apparatus for the hydraulic shovel according to Claim 10, further comprising:

an air-conditioning cover;

5 wherein said air-conditioning cover has an inclined shape such that an upper portion thereof at a front side of the hydraulic shovel is inclined downward toward the front side.

15. (Previously Presented) The air conditioning apparatus for the hydraulic shovel according to Claim 10, further comprising an internal cover, which is put on said air-conditioning unit, and which comprises ducts for distributing the air blown from said air-conditioning unit.

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16. (Previously Presented) The air conditioning apparatus for the hydraulic shovel according to Claim 10, further comprising a vent hole through which outside air is introduced into said air-conditioning unit, and which is provided at an upper region of said right side wall above an external cover for covering tanks of the hydraulic shovel including at least a working fluid tank.

17. (Previously Presented) An air-conditioning apparatus for a cab of a construction vehicle, said apparatus comprising:
an air-conditioning unit which is mounted to a front portion of a right side wall of the cab, at a front portion thereof and which is provided to be fitted into an opening that penetrates through said right side wall of said cab such that the air-conditioning unit constitutes a part of a surface of said right side wall and such that a part of an outer side of a case of the air conditioning unit protrudes outward from said right side wall;

an internal cover that covers the air-conditioning unit in an interior of the cab; and

an outside air duct through which air is introduced from outside of the cab through the right wall.

Claim 18 (Canceled).

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19. (Previously Presented) The air-conditioning apparatus according to claim 17, wherein the air-conditioning unit is mounted to the right wall to be removable from both inside and outside of the cab.

20. (Previously Presented) The air-conditioning apparatus according to claim 17, wherein the air-conditioning unit comprises pipe connecting portions provided at a region thereof exposed to outside of the cab.

21. (Previously Presented) The air-conditioning apparatus according to claim 17, wherein the cover has an inclined shape such that an upper portion thereof at a front side of the vehicle is inclined downward toward the front side.

22. (Previously Presented) The air-conditioning apparatus according to claim 17, wherein the cover comprises ducts for distributing air blown from the air-conditioning unit.

23. (Previously Presented) The air-conditioning apparatus according to claim 17, wherein a vent hole through which the outside air is introduced through the outside air vent is provided at an upper region of the right wall above an external

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cover for covering tanks of the vehicle including at least a working fluid tank.

24. (Previously Presented) The air-conditioning apparatus according to claim 17, wherein the air-conditioning unit comprises a heat exchange chamber at a front portion thereof and an outside air introduction chamber at a rear portion thereof;

5 wherein the outside air introduction chamber is separated from the heat exchange chamber by a partition wall, and the outside air introduction chamber communicates with the heat exchange chamber through a hole in the partition wall.

25. (Currently Amended) The air-conditioning apparatus according to claim 24, further comprising an interior air introduction hole formed in a side surface of the heat exchange unit chamber, wherein air from inside the cab is introduced to the air-conditioning unit through the interior air introduction hole.

26. (Previously Presented) The air-conditioning apparatus according to claim 17, wherein the outside air duct is coupled to an outside air duct placement portion of the internal cover.

Claim 27 (Canceled).

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28. (Previously Presented) An air-conditioning apparatus for a cab of a construction vehicle, said apparatus comprising:

an air-conditioning unit positioned at a front portion of a right side of the cab such that the air-conditioning unit
5 constitutes a part of a surface of a right wall of the cab;

wherein a vent hole through which outside air is introduced into said air-conditioning unit is provided at an upper region of the right wall of the cab above an external cover for covering tanks of the vehicle including at least a working fluid tank.

29. (Previously Presented) The air-conditioning apparatus according to claim 28, wherein the air-conditioning unit is mounted to the right wall to be removable from both inside and outside of the cab.

30. (Previously Presented) The air-conditioning apparatus according to claim 28, wherein the air-conditioning unit comprises pipe connecting portions provided at a region thereof exposed to outside of the cab.

31. (Previously Presented) The air-conditioning apparatus according to claim 28, wherein the air-conditioning unit has an inclined shape such that an upper portion thereof at a front side of the vehicle is inclined downward toward the front side.

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32. (Previously Presented) The air-conditioning apparatus according to claim 28, further comprising an air-conditioning unit cover, which has an inclined shape such that an upper portion thereof at a front side of the vehicle is inclined downward toward the front side.

33. (Previously Presented) The air-conditioning apparatus according to claim 28, further comprising an internal cover for the air-condition unit, wherein the internal cover comprises ducts for distributing air blown from the air-conditioning unit.